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Database
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        oM nucleic - nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N_Geneseq_0601:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cetober 26, 2001, 18:46:05; Search time 78.01 Seconds (without alignments) 5095.010 Million cell updates/Sec
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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SEMMARIES

| Result   | Score | Query<br>Match   | Query<br>Match Length DB |              | 11)        | Description        |
|----------|-------|------------------|--------------------------|--------------|------------|--------------------|
| - :      | 633   | 100.0            | 643                      | 62  <br>62   | AAF62049   | Human fibroblast q |
| ν.       | 643   | 100.0            | 636                      | ы            | AAA75630   | Nucleatide segment |
| J.       | 285   | 45.0             | 682                      | <del>1</del> | AA P585 40 | Nucleotide sequenc |
| 4        | 281.8 | 44.5             | 660                      | Ξ            | VVL28231   | Mucleotide sequenc |
| J        | 263.4 | 41.5             | 621                      | 13           | AAQ28413   | Olia activating ta |
| <i>*</i> | 263.4 | 41.6             | 624                      | _            | AAQ28415   | Glia activating fa |
| 7        | 264.4 | 41.6             | 1493                     | <u>_</u>     | AAO28411   | Glia activating ta |
| œ        | 261.8 | 4).4             | 621                      |              | AAQ28414   | Glia activating fo |
| ي        | 261   | 41.2             | 656                      | 21           | AAZ55790   | cDNA encoding rat  |
| 10       | 261   | 41.2             | 674                      | 2            | AAZ55791   | cDNA encoding huma |
| _        | 259.6 | <del>4</del> 1.0 | 621                      | 20           | AAX36528   | Human FGF-16 codin |

| Coding sequence to<br>KGP delta-N23 codi | AAT41242             | 17       | 4 4 4<br>1 4 4 4<br>1 4 4 4 | 16 To 1 | <u>ئ</u> ۋۇ: | ئىدۇرىد<br>1ئىرىدۇ |
|--|----------------------|----------|-----------------------------|---------|--------------|--------------------|
| Human fibroblast q<br>Coding sequence to | AAX87991<br>AAT14340 | 20<br>17 | 800<br>426                  | 15.8    | 100.2        | 4 4                |
| Keratinoryte growt                       | AAV45010             | 19       | 44 4<br>(5)                 | 10 U    | 100.6        | 40                 |
| Coding segmence fo                       | AAV45920<br>AAV14338 | 17       | 426<br>426                  | 15.e    | 100.6        | э ж<br>6 8         |
| Coding sequence to                       | AAT14344             | 17       | 426                         | 15.9    | 100.6        | 37                 |
| Coding sequence to                       | AAT14342             | 17       | 426                         | 15.9    | 100.6        | 36                 |
| cDNA encoding rat                        | AAA38542             | 21       | 801                         | 16.0    | 101.2        | ي<br>ال            |
| Haman EXCS encodin                       | AAC84311             | 22       | 1906                        | 16.6    | 105          | 34                 |
| Human PRO183 CENA.                       | AAC91575             | 22       | 1231                        | 16.6    | 105          | ندا<br>ندا         |
| Human PRO183 CDNA                        | AAC90573             | 22       | 1231                        | 16.6    | 105          | w<br>C3            |
| Human PRO183 nucle                       | AAP44258             | t3<br>t3 | 1231                        | 16.6    | 105          | س                  |
| Nucleotide sequene                       | AAC86966             | N<br>N   | 1231                        | 16.6    | 105          | 30                 |
| Fibroblast growth                        | AAV21386             | 19       | 1150                        | 16.6    | 105          | 29                 |
| Human tibroblast g                       | AAT86315             | 18       | 1150                        | 16.6    | 105          | ان<br>80           |
| Human tibroblasi                         | AAT58316             | 17       | 1150                        | 16.6    | 105          | 27                 |
| Human fibroblast                         | AAC91268             | N<br>N   | 768                         | 16.6    | 105          | 20                 |
| cDNA encoding a                          | AAA75024             | 21       | 768                         | 16.6    | 105          | N<br>57            |
| Human fibroblast q                       | AAV23986             | 19       | 768                         | 16.6    | 105          | 24                 |
| Human Libroblast                         | AAT42739             | 18       | 768                         | 16.6    | 105          | 23                 |
| Fibroblast growth                        | AAV21385             | 19       | 1422                        | 16.9    | 107.2        | 22                 |
| Human fibroblast q                       | AAT86314             | æ        | 1422                        | 16.9    | 107.2        | 2                  |
| Fibroblast growth                        | AAT42466             | .17      | 1422                        | 16.9    | 107.2        | 20                 |
| Human fibroblast q                       | AAC91284             | ره<br>ده | 1121                        | 16.9    | 107.2        | 19                 |
| Human tibroblast q                       | AAT02574             | 16       | 1121                        | 16.9    | 107.2        | 18                 |
| Human SECL DNA seq                       | AAF23410             | 22       | 670                         | 17.4    | 110          | 17                 |
| Human secreted pro                       | AAA91014             | 22       | 520                         | 17.4    | 110          | 16                 |
| chia activating fa                       | AAQ28412             | 1.       | 3-13-6<br>6-6               | 38.4    | 243.2        | 15                 |
| Rat fibroblast gro                       | AAZ55792             | 21       | 536                         | 40.1    | 253.8        | <br>->             |
| Rat FGF-15 coding                        | AAX36529             | 20       | 536                         | 40.1    | 253.8        | <u>.</u>           |
|  | Called Co. F.        | ţ        | 1                           | 4       | 1.1.1        | ١.                 |

## ALIGNMENTS

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RESULT
                                                                                                                               AAF62019
Homan fibroblast growth tactor-CX (FGE-CX) DNA sequence.
                                     of MAY fort (first entry)
                                                                          AAF62049;
                                                                                                             AAPG2949 stondard; DNA; 633 BP.
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Pibroklyst growth factor-CX; PCE-CX; wound hostinu; haomatoboiesis; roll proxib profitorstion; tumour restaucesis; becurasis; bumbun; happy role's contracture (specific experience reported arthutus; cartifage repair, bone repair; exostosis; baliux valgus deformity; achondroplasia; cerebral lesion; cerebral oedema; senile dementia; periodema; senile dementia; Alzheimer's disease; diabetic neuropathy; osteoporosis; ds

Homo sapiens.

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27-1111-2000; 2000WO-HS20405
27-JUL-1999; 99US-0145899
31-JAN-2000; 2000US 0494585.
                       01-FEB-2001.
                                MC200107898-A2
                                               /product= "FGF-CX"
/note- "Fibroblast growth factor-CX"
                                                             Location/Qualifiers
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Matches
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                                                                                         characterised by insufficient or ineffective growth of a cell or tissue. ROF-CS is also useful for promoting growth of cells which are in the vicinity of a wend, "pecular system, those involved in haematopolesis or erythropolesis, cells in the liming of the gastrointestinal tract or cells in hair follicles, other uses include, inhibiting cell growth. ROF-CX is useful for treating, preventing or delaying a tissue proliterative disorder such as tumours, restenosis, psoriasis, and the pupultren's contracture, diabetic complications, Roposi sarcoma, and the second contracture, diabetic complications, Roposi sarcoma, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                osteogenesis-promoting activity and can be used for treating bone tractures and osteogenesis. FSF-CX polypeptides may be used as pratelet increasing agents, or for treating cerebral nervous diseases. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the DNA sequence encoding it. FGF-CX protein and polynucleotide sequences are useful for treating or preventing a disorder associated with aberrant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New human fibroblast growth factor FGF-CX polypeptide, useful for treating tissue proliferation disorders such as tumors, restenosis,
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                         rheumatoid arthritis. Compositions containing FGF CX can be used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  expression, processing or physiological interactions of FGF-CX
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361 algoalgacaaaggagaaminialggatoxywgwwwcthoottoogaalgmatolilagg 420
                                                                                                                                                                                                                          301 atragtgtggcagtgggactggtcagtattagaggtgtggacagtggtctctatcttgga 360
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diabetic complications, Kaposi sarcoma and rheumatoid
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Local Similarity 100.0%; Prod. No. 2.4c 128,
hes 633; Conservative 0; Mismatches 0;
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Vectors of the invention are used for treating or preventing eye The present sequence encodes a human fibroblast growth (actor (FSP)-20 FGP-20 is expressed using a gene delivery vertex of the intention.

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                                                                                                Treating or premonting eye discuses or inhibiting necessual disease of the eye, comprises intraocularly administering a gene derivery vector that directs expression of neurotrophic factors or
                                                       Disclosure, Fig 29, 86pp; English.
                                                                                        anti-anglogenic factors
                                                                                                                                                                     P-PSDB; AAB18635.
                                                                                                                                                                                                              Flannery JG,
                                                                                                                                                                                                                                  Manning WC,
                                                                                                                                                                                                                                                                                                          U6-JAN-2000; 2000US-0174984.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pDIO-VEGENC; gono delivery werter, eye disease, decassonlar disease, neurotrophic factor, anti-angiogenic factor; eye disease; glaucoma; macular degeneration; diabetic rethropathy; rethnitis pignentosa;
                                                                                                                                                                                                                                                                                                                          15-MAR-1999;
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                                                                                                                                                                                                                                                              (REGC ) UNIV CALIFORNIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   infortifed retinal degeneration, sargery induced retinopathy, retinal detachment; photic retinopathy; toxic retinopathy; traima-induced retinopathy; wet age related macular degeneral ARMD, relinspathy; fibroblast growth factor-20; FGF 20; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleatide sequence of human fibroblast growth factor (FGF) 20
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Miller S,
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Wang F, Di Polo
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i Polo A;
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diseases, or inhibiting neovascular disease of the eye. The dene
delivery vector directs the expression of one or more neurotrophic
factors, or and analogenic factors, such that the disease of the eye
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 636 BP; 143 A; 165 C; 196 G; 132 T; 0 other;
               Nucleotide sequence of monse FGF9 derived from FGF9:pET-3C.
                                                   17-SEP 1997 (first entry)
                                                                                                                         AATS8530 standard: DNA; 682 BP
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100.0%; Pred. No. 2.4e-128;

    Mismatches

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Mouse; chicken; fibroblast growth factor 9: FGF9; detection: libroblast growth factor receptor 3; FGF8; cartilate repair; bone repair; antagonist; anti-FG9 antibody; endochondromas; bone repair; antagonist; anti-FG9 antibody; endochondromas; solitary benedicary coolubes; mattific bareditary eventoris; hallus valgus deformity; achoedroplasia; synowial chondromatosis; ss.
                                                  in a sample or tissue. The method comprises contacting the sample or tissue with PGF9, allowing formation of receptor-ligand pairs, and detecting any PGF93-PGF9 pairs. Compositions containing PGF9 can be used to increase PGF83 activity, esp. to stimulate cartilage or bone repair. Compositions containing PGF9 antagonists or PGF9 binding adents (e.g. anti-PGF9 antibodies) can be used to treat discusse caused by an excess of PGF9 or operactivity of PGF83, esp. multiple or solitary horeditary exceptions, balling values 3-formity, achiendrophasia symewial
                                                                                                                                                                                                                                                                                                                         Medical and diagnostic use of fibroblast growth factor 9 recombinant fibroblast growth factor 9 DNA
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                                                                                                                                                                                                                                                                                                                                                                                    P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Yayon A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12-JUN-1995;
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                                                                                                                                                                                                        growth factor 9 (EGF9) respectively. PGF9 may be used in the method of the invention for detecting libroblast growth factor receptor 3 (EGFK3)
Sequence 682 BP; 192 A; 148 C; 186 G; 156 T; 0 other:
                                                                                                                                                                                                                                                  The sequences given in AAT58530-31 encode monse and chicken tibroblast
                                        chondromatosis and endochondromas.
                                                                                                                                                                                                                                                                                                                                                                                                        1997-065215/06
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y Match 45.0%; Score 265; DB 18;
Local Similarity 67.4%; Pred. No. 4.6e 53;
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                                                                                               | 18| | caeqqeatectgegeegeegeegeetattgeegeaeeggetteeaeetgeagateetg 240
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                                                                              227 aaggggattotosggoggaggoagotgtactgoaggactggatttostttosgadatotto 286
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                                                                                                                                                                                                                                                                                                                                          | atggetecettageegaagtegagggetttetgggeggeetggagggetttugggeeageag 60
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                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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RESULT
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The sequences given in AAT58530-31 encode mouse and chicken fibroblast growth factor 9 (FGF9) respectively. FCF9 may be used in the method of the invention for detecting fibroblast growth factor receptor 3 (FGFR3)
                                                                    Claim 11; Fig 2; 32pp; English.
                                                                                                  Medical and diagnostic use of fibroblast growth factor 9 recombinant fibroblast growth factor 9 \mathtt{DNA}
                                                                                                                                                          P-PSDB; AAW11548
                                                                                                                                                                          WPI; 1997-065215/06.
                                                                                                                                                                                                                                          (YEDA ) TEDA KES & DEV CO LID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse: chicken: fibroblast growth factor 9, FGF9, detection; fibroblast growth factor receptor 3, FGF8; cartifage repair; bone repair; antagonist; anti-FGF9 antibody; endochondromas;
                                                                                                                                                                                                                                                                                                                                         27 DEC-1996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Solitary Leteditary exostesis, multiple nefeditary exostosis; hallux malgus deferent; edecarephasia, synomial chendromatosis, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleotide sequence of chicken FGF9 derived from FGF9 pFT-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gallus domesticus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAT58531 standard; DNA; 660 BP
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/note= "Maa given in the specification ds J, no
stop coden given"
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17-FEB-1993 (first entry)

AAQ28413 standard; cDNA; 621 BP

GAF; stimulates glial cell growth; cerebral nerve cell lesions;

Gila activating factor coding sequence.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  in a sample or tissue. The method comprises contacting the sample or tissue with PGF9, allowing formation of receptor-ligand pairs, and detecting any MGKN3-MGF9 pairs. Compositions containing EGF9 can be used to increase PGFP3 activity, our to stimulate cartilage or bone repair. Compositions containing EGF9 antagonists or EGF9 binding agents (e.g. anti-FGF9 antibodies) can be used to treat dispases caused by an
                                                                      613 cetgaactatataaggatattetaa 637
                                                                                          60: congnattglachaggacctactga 625
                                                                                                                                                               541 romangangmatokagasatttacsokattfoffacon agasokantggatokagaagagtt 600
                                                                                                                                                                                                                         Sequence 660 BP; 185 A; 150 C; 184 G; 141 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chondromatosis and endochondromas.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 excess of EGF9 or overactivity of PCPR3, csp. multiple or solitary beneditary exceeds hallow valgus deformity, actorstroplasia, spacial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       horeditary exostosis
                                                                                                                                              553 actaaacggcatcaaaaatttacacatttttcacctagaccagtggaccctgagaaagta 612
                                                                                                                                                                                                                                           481 actggccgc3ggfaffttgtggcactLaacaaaaacggaactccaaagagatggcgccagg 540
                                                                                                                                                                                                                                                                                                   433 qaqcaqtttgaaqaaaaclggtataacacatattcatcaaatotatataaacacgtggac 492
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0: Mismatches 197, Tabels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Office activating factor and its DNA specifically promotes growth of ghal cells, for treating e.g. cerebral lesions, Alzheimen's disease, diabetic neuropathics, etc., also in diagnosis
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04 SEP-1991;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        these see AAR27207-13.
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                                                                                                                                                                                                                                                                                                       145. egenggegggespagaget gegreaget ggreg acet gewegastat cet dege egenggegg 204
153 etataetgeaggaetggattteaettagaaatetteeeeaatggtaetateeagggaaee 252
                                                                                                                                                                                                                                                                                                                                                                                                                                   133 reenagagaareegeagt eacagaiet tygateat Etaaaggggattet eaggetgaggeag 192
                               565 callfictiaciladaccadigdaticadaadadttväddattgtacaadgacctacta 624
                                                         493 Itaaataaaqatqqqaceeeyaqaaqaaqqqactaqqactaaacqqeaccaqaaattcaca 552
                                                                         auturgtartegtraaaretatataagrurgtgaarartgaaaggrgaturtatgttgca. 492
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                                                                                                                                                                                                                                                                                     Query Match 41.6%; Seore 263.4; DB 13; Length 624; Best Local Similarity 71.7%; Pred. No. 2.1e-48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cerebral ocdema; alzheimers disease; senile dementia; diabetic neuropathy; stimulates fibroblasts; burns; wounds; ulcers; stimulates megakaryocytes; increase platelets; haematopoetic cells; immunocompetent cells; vascular smooth muscle cells; bone fractures; estemplates in presenting activity; estemperesis; corebral tumours; estimulates cultured cells; or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gita activating factor and its DNA - specifically promotes growth of glial cells, for treating e.g. cerebral lesions, Alzhelmor's \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CAP; stimulates glial cell growth; cerebral nerve cell lesions;
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                                                                                                                                                                                                                                                                                                                                                           Sequence 624 BP; 177 A; 132 C; 175 G; 140 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                            This sequence encodes a glia activating factor. For examples of these see \ensuremath{\mathsf{AAR27207}\mbox{-}13} .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WP1; 1992-309482/38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               disease, diabetic neuropathies, etc., also in diagnosis
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316 agrattryaggrytryaragiggartriarritryggatgaatgagaagggggagrigtat
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                                                                                                                                                                      205 ctctattaccycaecggettecaectacagatectgeecgaeggeagegtgeagggeace 264
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                  325 agiatragagqtqtdqqqcqqqqqtctctatcttqqaatqaatqacaaaqqaaqaactctat
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                                 this sequence encodes a dia activating factor. A cDNA library was prepared by introducing cDAA bythbodised from mBMA of thusan foliaking derived primary culture cells into the pCD vector and transfecting E. coll BHI. The Library was serected with probes AAQ28419,20 and two coll BHI. The Library was serected with probes AAQ28419,20 and two
positive clones identified and sequenced. This cDNA sequence was then
                                                                                                                                                                                                       Claim 6; Fig 19; 87pp; English.
                                                                                                                                                                                                                                                                 Glia activating factor and its DNA - specifically promotes growth of glial cells, for treating e.g. cerebral lesions, Alzheimer's disease, diabetic neuropathies, etc., also in diagnosis
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Matches 444; Conservative 0; Mismatches 147; Indels
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91JP 0224454.
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vitro and in vivo. The isolated nucleic acid molecules may be used directly in cell or gene therapy applications to treat or provent liver disorders, including hepatic cirrhosis, fulminant liver failure, damage caused by scute viral hepatitis and toxic insul's to the liver.
                                                                                            (FGF-16). FGF-16 has hepatocyte prollieration and growth activity, and increases hepatic production of trijly errides and serum proteins (e.g., albumin). FGF-16 nucleic acids and/or proteins may be used for stimulating the prollieration and development of hepatocytes both in
                                                                                                                                                                                               Claim 2; Fig IA-B; 33pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fibroblast growth factor; FGF-16; raf; hepatocyte proliferation; hepatotropic; liver disorder; viral hepatitis; cirrhosis; gene therapy;
                                                                                                                                                                                                                                                               Fibroblast growth factor family polypeptide which stimulates
                                                                                                                                                                                                                                                                                                                                                 Arakawa T, Itoli N,
                                                                                                                                                                 This sequence represents cDNA encoding rat fibroblast growth factor-16
                                                                                                                                                                                                                                                proliferation and growth of hepatocytes is useful for treating hepatic
                                                                                                                                                                                                                                                                                                  P-PSDR; AAY58428
Sequence 656 BP; 144 A; 198 C; 179 G; 135 T; 0 other;
                                                                                                                                                                                                                                                                                                                    2000-085497/07
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/product: "Rat FGF-16"
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17..640
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135
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Sequence 674 RP, 151 A, 203 C, 181 G, 139 T; 0 other;

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        this sequence represents cDNA encoding human fibroblast growth factor-le (PDP-16) PDF-16 has hepatocyte proliferation and growth activity, and increases hepatic production of friglyperides and serum proteins (e.g., albumin) PGP-16 muchole acids and/or proteins may be used for stimulating the proliferation and development of hepatocytes both in vitro and in vivo. The isolated nucleic acid molecules may be used directly in cell or gene therapy applications to treat or prevent liver disorders, including hepatic cirrhosis, fulminant liver failure, damage caused by acute viral hepatitis and toxic insults to the liver.
                                                                                                                                                                                                                           Fibroblast growth factor ramily polypeptide which stimulates proliferation and growth of bepaticytes is useful for treating hepatic
                                                                                                                                                                            Claim 3; Fig 6A-B; 33pp; English.
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                                                                                                                                                                                                                                                                                                                                Arakawa T,
                                                                                                                                                                                                                                                                                                                                                                 (AMGE-) AMGEN INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CDNA encoding human fibroblast growth factor FGF-16.
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                                                                                                                                          hepatocyte growth, proliferation stimulation; liver disorder; cirrhosis; fulniment liver falture, viral hepatitis; detection; ss.
                                                                                                                                                                                                                                                                                                                            AAX36528 standard;
                                                                                                         Homo sapiens
                                                                                                                                                                            FGF-16; fibroblast growth factor-16; gene therapy; cell therapy; toxin;
                                                                                                                                                                                                                 Human FGF-16 coding sequence.
                                                                                                                                                                                                                                                     07:JUL 1999 (first entry)
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the invention. Vectors containing sequences that encode FGF-16
are useful in gene and cell thrapy by in vivo transdaction, and for
production of recombinant FGF-16. Treatment of hepatocytes with FGF-16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        production of recombinant FGF-16. Treatment of hepatocytes with FGF-16, in vitro or in vivo, stimulates their growth and preliferation. PGF-16
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Local Similarity 65.2%;
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Pred. No. 1.4e-47;
9; Mismatches 209
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FOR 16, fibroblast growth factor 16; gene therapy; cell therapy; texin; hepatocyte growth, proliferation stimulation; liver disorder; cirrlesis; falminant liver failure; wieal hepatitus; defections ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                         treated hepatocytes are used to treat a liver disease or disorder in the host organism, e.g. cirrhosis; fulminant liver failure; or damage caused by ciral legalitis and/or textus legals is also used to raise
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New fibroblast growth factor useful for treating liver conditions
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                                                                                                                                                                                                                                                                                                                                                                                      acts specifically on hepatecytes.
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Search completed: october 26, 2001, 19:02:14 Job time: 1569 sec